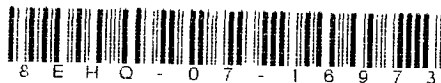




MR# 307428

Technology  
& Engineering



October 2, 2007

US EPA Office of Pollution Prevention and Toxics  
U.S EPA  
East Building Room 6428  
Attn: Section 8(e)  
1201 Constitution Avenue, NW  
Washington, DC 20004

**SUBJECT: TSCA 8(e) Notice**

Contain NO CBI

RECEIVED  
OCT 12 AM 6:55

Dear TSCA Section 8(e) Coordinator:

Members of the SPI Organic Peroxide Producers Division (OPPSD) are sponsoring a research testing program on di-tert-butyl peroxide (CAS# 110-05-4). On behalf of Akzo Nobel Polymer Chemicals, LLC we are submitting results of a draft OECD 422 report conducted on di-tert-butyl peroxide (CAS# 110-05-4). The study was conducted to generate information concerning the possible effects of di-tert-butyl peroxide from repeated exposure and to provide information on possible effects on male and female reproductive performance.

The test material was administered, by gavage, once daily to male rats for 42 days and to female rats for 14 days during pre-pairing, pairing, gestation and lactation periods until day 4 post partum. Dose groups were: control, 100, 300, and 1000 mg/kg. All animals survived until scheduled necropsy. No effects were noted on reproduction, clinical chemistry or on macroscopic evaluations. Increased liver and kidney weights were reported in the 1000 and 300 mg/kg/day dose groups.

In the 1000 mg/kg/day dose group, histopathology, of the liver, revealed minimal centrilobular and diffuse hepatocellular hypertrophy with association of a consequent increase in diffuse follicular cell hypertrophy in thyroid glands in males and females. Kidneys exhibited moderate diffuse tubular degeneration/regeneration with slight multifocal single cell necrosis and hyaline casts as well as hyaline droplets in males of the 1000 mg/kg/day dose group. Diffuse hyperkeratosis of the forestomach was also reported in males and females of this group and in females in the 300 mg/kg/day dose group.

Please contact me at (312) 544-7191 if you have any questions regarding this letter.

Sincerely,

Edwin C. Bisinger, Jr. Ph.D, DABT  
Manager, Regulatory Toxicology  
Akzo Nobel Services Inc./T&E  
525 W. Van Buren  
Chicago, IL 60607



Akzo Nobel Inc.  
525 West Van Buren Street  
Chicago, Illinois 60607-3835  
Tel. (312) 554 7000  
Fax (312) 544 7125

From: Origin ID: GYYA (312)544-7315  
FRANK THORNE  
AKZO NOBEL SERVICES INC  
525 WEST VAN BUREN STREET

CHICAGO, IL 60607

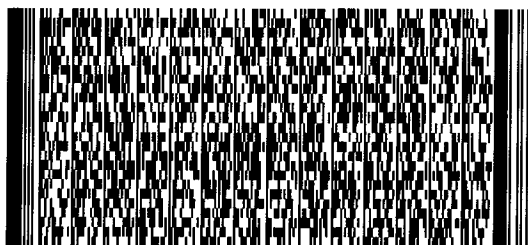


CLS090607/2/23

SHIP TO: (202)546-8930

BILL SENDER

**TSCA Section 8(e) Coordinator**  
**U.S. EPA - Offc Plltn Prvntn & Txcs**  
**1201 Constitution Avenue, NW**  
**EPA East Building, Room 6428**  
**Washington, DC 20004**



Ship Date: 10OCT07  
ActWgt: 1 LB  
System#: 3312538/INET7091  
Account#: S \*\*\*\*\*

Delivery Address Bar Code



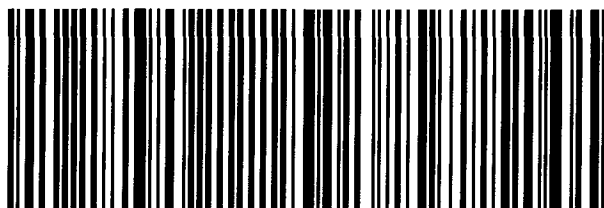
Ref # 7201SH526  
Invoice #  
PO #  
Dept #

TRK# 7925 7806 5708  
0201

THU - 11OCT A1  
**STANDARD OVERNIGHT**

**NK-RDVA**

IAD  
DC-US  
20004



Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.**

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on [fedex.com](http://fedex.com). FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.